

QP Code: 101017

Reg. No.:

**First Year BCVT Degree Regular/Supplementary Examinations
December 2025
Basic Sciences
(2014 Scheme)**

Time: 3 Hours

Max Marks: 100

- *Answer all questions to the point neatly and legibly • Do not leave any blank pages between answers • Indicate the question number correctly for the answer in the margin space*
- *Answer all parts of a single question together • Leave sufficient space between answers*
- *Draw table/diagrams/flow charts wherever necessary*

Essay

(20)

1. Discuss the pathophysiology of Rheumatic Carditis. Discuss in details the pathogenesis and histopathology findings of Rheumatic Carditis. Discuss in detail about Rheumatic Endocarditis, myocarditis and pericarditis.

Short notes

(10x8=80)

2. Normal wave form, intervals and segments in ECG
3. Cardiac output, various factors influencing cardiac output
4. Venous drainage of heart
5. Describe the normal pressures and wave form with diagram in cardiac chambers and great vessels
6. Explain the mechanism of oxygen transport in blood
7. Pathophysiology of left to right shunt at atrial level
8. Heparin and low molecular weight heparin
9. Protamine dosing and side effects
10. Organisms causing infective endocarditis
11. Amiodarone

CORRECTION / NO-CORRECTION FILE
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QPCODE: 101017

Dated: 03-12-2025

Question No. 1

Replaced with "Discuss Sterilization procedures in cath lab."

Question No. 3

Replaced with "Betablockers."

Question No. 6

Replaced with "Contrast Media."

Question No. 7

Replaced with "Anaphylaxis."

Question No. 8

Replaced with "Heparin."

Question No.9

Replaced with "Protamine."

Question No. 10

Replaced with "Jones criteria."

Question No. 11

Replaced with "Mitral stenosis."

Extra time of 10 minutes allowed.

Corrections/Modifications/Replacement of Questions if any shall be made available to all

students. Take the print out of the Correction File in such cases and distribute to all students.

(Sd/-)

CONTROLLER OF EXAMINATIONS